
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=4; day=30; hr=12; min=32; sec=46; ms=319;]

Validated By CRFValidator v 1.0.3

Application No: 10589688 Version No: 2.0

Input Set:

Output Set:

Started: 2008-04-16 18:31:25.540 **Finished:** 2008-04-16 18:31:26.414

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 874 ms

Total Warnings: 10

No. of SeqIDs Defined: 10

Actual SeqID Count: 10

Total Errors:

Erro	or code	Error Descript	ion								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(1)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(2)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)

SEQUENCE LISTING

<110>	Greene, Mark I. Murali, Ramachandran Zhang, Hongtao	
<120>	BINDING PEPTIDOMEMETICS AND USES OF THE SAME	
<130>	130694.01701	
<140>	10589688	
	2008-04-16	
<150>	US 60/546,224	
<151>	2004-02-20	
<160>	10	
<170>	PatentIn version 3.4	
<210>	1	
<211>	12	
<212>	PRT	
<213>	Artificial Sequence	
<220>		
<223>	ANHP peptidomemetic	
<400>	1	
	1 s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10	
Phe Cy	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val	
Phe Cy 1	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10	
Phe Cy	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val	
Phe Cy 1 <210>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10	
Phe Cy 1 <210> <211>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76	
Phe Cy 1 <210> <211> <212> <213>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA	
Phe Cy 1 <210> <211> <212> <213>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA	
Phe Cy 1 <210> <211> <212> <213> <223>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19	
Phe Cy 1 <210> <211> <212> <213> <223> <400>	S Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19	60
Phe Cy 1 <210> <211> <212> <213> <223> <400>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19	60
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa	S Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19	60 76
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct	
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct	
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa tcatcg	2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct tgac cgcggc	
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa tcatcg	2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct tgac cgcggc	
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa tcatcg <211> <210> <211>	2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct tgac cgcggc	
Phe Cy 1 <210> <211> <212> <213> <223> <400> aaaaaa tcatcg <211> <210> <211>	s Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val 5 10 2 76 DNA Artificial Sequence Streptavidin primer 19 2 cata tggaagcagg tatcaccggc acacctggta caaccagctc ggctcgacct tgac cgcggc 3 31 DNA	

```
aagcttttat taatgatgat ggtgatgatg g
                                                                    31
<210> 4
<211> 68
<212> DNA
<213> Artificial Sequence
<220>
<223> AHNP fusion primer 1
<400> 4
aaaaaacata tggtcgacta ttgcgatggc ttttatgcgt gctatatgga tgtgggtggt
ggtggtag
                                                                    68
<210> 5
<211> 69
<212> DNA
<213> Artificial Sequence
<220>
<223> ANHP fusion primer 2
<400> 5
ggatgtgggt ggtggtggta gcagatctaa cagcagcagc gaagcaggta tcaccggaca
                                                                    60
atggtacac
                                                                    69
<210> 6
<211> 11
<212> PRT
<213> Artificial Sequence
<220>
<223> Flexible Amino Acid Linker
<400> 6
Gly Gly Gly Ser Arg Ser Asn Ser Ser Ser
              5
                                 10
<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Histidine tag linker
<400> 7
```

<400> 3

Asn Ser Ser Ser

2210> 8
<211> 162
<212> PRT
<213> Artificial Sequence
<220>
<223> ASA fusion protein sequence
<400> 8

Met Val Asp Phe Cys Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val Gly
1 5 10 15

Gly Gly Gly Ser Arg Ser Asn Ser Ser Glu Ala Gly Ile Thr Gly
20 25 30

Thr Trp Tyr Asn Gln Leu Gly Ser Thr Phe Ile Val Thr Ala Gly Ala
35 40 40

Asp Gly Ala Leu Thr Gly Thr Tyr Glu Ser Ala Val Gly Asn Ala Glu
50 55 60

Ser Arg Tyr Val Leu Thr Gly Arg Tyr Asp Ser Ala Pro Ala Thr Asp 65 70 75 80

Gly Ser Gly Thr Ala Leu Gly Trp Thr Val Ala Trp Lys Asn Asn Tyr \$85\$ 90 95

Ala Glu Ala Arg Ile Asn Thr Gln Trp Leu Leu Thr Ser Gly Thr Thr 115 120 125

Glu Ala Asn Ala Trp Lys Ser Thr Leu Val Gly His Asp Thr Phe Thr 130 135 140

Lys Val Lys Pro Ser Ala Ala Ser Asn Ser Ser Ser His His His His 145 150 155 160

His His

<210> 9

<211> 183

<212> PRT

<213> Artificial Sequence

<220>

<223> Streptavidin protein sequence

<400> 9

Met Arg Lys Ile Val Val Ala Ala Ile Ala Val Ser Leu Thr Thr Val 1 5 10 15

Ser Ile Thr Ala Ser Ala Ser Ala Asp Pro Ser Lys Asp Ser Lys Ala 20 25 30

Gln Val Ser Ala Ala Glu Ala Gly Ile Thr Gly Thr Trp Tyr Asn Gln
35 40 45

Leu Gly Ser Thr Phe Ile Val Thr Ala Gly Ala Asp Gly Ala Leu Thr 50 55 60

Gly Thr Tyr Glu Ser Ala Val Gly Asn Ala Glu Ser Arg Tyr Val Leu 65 70 75 80

Thr Gly Arg Tyr Asp Ser Ala Pro Ala Thr Asp Gly Ser Gly Thr Ala 85 90 95

Leu Gly Trp Thr Val Ala Trp Lys Asn Asn Tyr Arg Asn Ala His Ser 100 105 110

Ala Thr Thr Trp Ser Gly Gln Tyr Val Gly Gly Ala Glu Ala Arg Ile 115 120 125

Asn Thr Gln Trp Leu Leu Thr Ser Gly Thr Thr Glu Ala Asn Ala Trp 130 135 140

Lys Ser Thr Leu Val Gly His Asp Thr Phe Thr Lys Val Lys Pro Ser 145 150 155 160

Ala Ala Ser Ile Asp Ala Ala Lys Lys Ala Gly Val Asn Asn Gly Asn 165 170 175

Pro Leu Asp Ala Val Gln Gln

```
<210> 10
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> AHNPY peptidomemetic sequence

<400> 10

Tyr Cys Asp Gly Phe Tyr Ala Cys Tyr Met Asp Val
1 5 10
```